Utah Skill Certification

Student Performance Evaluation

Test # 595 - Welding Technician, Entry Level (CIP 480508)

(Print) Student's Name:	**Date:**
(Print) Teacher's Name:	**School:**
Teacher Signature:	**District:**

The performance evaluation **is a required component of the skill certification process.** Each student must be evaluated on the required performance objectives outlined below. Performance objectives may be completed and evaluated at anytime during the course. Students who achieve a 3 or 4 (moderately to highly skilled) on **ALL** performance objectives and 80% or higher on the written test will be issued an ATE skill certification certificate.

- Students should be aware of their progress throughout the course so that they can concentrate on the objectives that need improvement.
- Students should be encouraged to repeat the objectives until they have performed at a minimum of a 3 or 4 (moderately to highly skilled) on all performance objectives.
- When all performance objectives have been achieved at a minimum of a 3 or 4 (moderately to highly skilled) then "Y" (Y=Yes) is recorded for that student on the Performance Evaluation Summary Score Sheet.
- If the student scores a 1 or 2 (limited to no skill) on any performance objective then "N" (N=No) is recorded for that student on the Performance Evaluation Summary Score Sheet.
- All performance objectives **MUST** be completed and evaluated prior to the written test.
- The teacher will bubble in "A" on the test answer sheet for item #81 for students who have achieved "Y" on all of the student performance objectives.
- The teacher will bubble in "B" on the test answer sheet for item #81 for students who have one or more "N's" on the student performance objectives.
- The signed Student Performance Evaluation Sheet for each student must be kept in the teachers file for two years.

Performance Rating Scale

4 = Highly Skilled	Successfully demonstrated without supervision.
3 = Moderately Skilled	Successfully demonstrated with limited skill.
2 = Limited Skill	Demonstrated with close supervision.
1 = Not Skilled	Demonstration requires direct instruction and supervision.

Student Performance Objectives

Standard 01 – Student will understand welding orientation.	**1**	**2**	**3**	**4**
• Student will follow written details to complete work assignments.				

Standard 02 – Student will understand and use welding safety and first aid.	1	2	3	4
• Follow safe practices. • Perform housekeeping duties. • Successfully complete Safety Tests on equipment use.				

Standard 03 – Student will identify welding tools and equipment.	1	2	3	4
• Identify basic hand tools.				

Standard 04 - Student will use basic math and measuring skills.	1	2	3	4
• Read and correctly use a tape measure, rule, and square. • Perform basic layout techniques.				

Standard 05 – Student will read welding prints.	1	2	3	4
• Identify and apply the five “alphabet” lines in print reading; Object line, Hidden Line, Center Line, Phantom Line, Construction Line. • Interpret tolerance dimensions in decimal, fractions, and degrees.				

Standard 06 – Student will identify and apply basic welding symbols.	1	2	3	4
• Interpret a welding print and welding procedure specifications.				

Standard 07 – Student will use shielded metal arc welding processes.	1	2	3	4
• Start and restart an arc, crater, and backfill at the edge while running a bead on mild steel plate. • Build a pad on mild steel plate in the flat position on plain carbon steel. • Weld to specifications a fillet weld in the flat position on plain carbon steel. • Weld to specifications a multi-pass fillet weld in the flat position on plain carbon steel.				

Standard 08 – Student will use manual oxyfuel gas cutting processes.	1	2	3	4
• Operate manual oxyfuel gas cutting equipment. • Perform straight-cutting operations on plain carbon steel. • Perform shape-cutting operations on plain carbon steel. • Perform bevel-cutting operations on plain carbon steel.				

Standard 09 – Student will use gas metal arc welding processes.	1	2	3	4
• Use Short Circuit Transfer to make fillet welds in flat position on plain carbon steel. • Use Short Circuit Transfer to make groove welds in flat position on plain carbon steel. • Use Spray Transfer to make fillet welds in flat position on plain carbon steel. • Use Spray Transfer to make groove welds in flat position on plain carbon steel.				